



ECO GRADE FREEZE DRYER VACUUM PUMP OIL

SAFETY DATA SHEET

1. IDENTIFICATION

TRADE NAME: ECO GRADE FREEZE DRYER VACUUM PUMP OIL

RECOMMENDED USE: VACUUM PUMPS

RECOMMENDED RESTRICTIONS: NONE KNOWN

DISTRIBUTOR: FLUIDX EQUIPMENT

ADDRESS: 139 WEST 2260 SOUTH
SALT LAKE CITY, UT 84115

TELEPHONE: 1-801-486-1015

E-MAIL: info@fluidxinc.com

EMERGENCY CONTACT:

FLUIDX/UTAH 1-801-486-1015

2. HAZARD IDENTIFICATION

OSHA HAZARDS: NO OSHA HAZARDS

GHS CLASSIFICATION:

NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

GHS-LABELING:

NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

IARC:

NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

NTP:

NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

ACGIH:

NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: DISTILLATES (PETROLEUM)
HYDROTREATED HEAVY PARAFFINIC

CAS NUMBER: 64742-54-7

%: 100

EXPOSURE LIMIT: 5mg/m3 oil mist

CONTAINS NO HAZARDOUS INGREDIENTS ACCORDING TO GHS.

4. FIRST AID MEASURES

INHALATION:

MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

SKIN CONTACT:

WASH CONTACT AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. IF SKIN IRRITATION OR AN ALLERGIC SKIN REACTION DEVELOPS, GET MEDICAL HELP.

EYE CONTACT:

FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. CALL A POISON CONTROL CENTER IMMEDIATELY.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

HALON, DRY CHEMICALS. FOAM. CARBON DIOXIDE (CO₂). WATER SPRAY OR FOG. DO NOT USE WATER JET OR SOLID WATER STREAM AS EXTINGUISHER AS THIS MAY SCATTER OR SPREAD FIRE.

SPECIAL PROTECTIVE EQUIPMENT:

WEAR SPECIAL CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE

GENERAL FIRE HAZARDS:

NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.

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6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP:

WIPE UP WITH ABSORBANT MATERIAL (e.g. CLOTH, FLEECE). CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

7. HANDLING AND STORAGE

HANDLING:

FOR PERSONAL PROTECTION SEE SECTION 8. SMOKING, DRINKING AND EATING SHOULD BE PROHIBITED IN THE APPLICATION AREA.

STORAGE:

ELECTRICAL INSTALLATIONS/WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGY SAFETY STANDARDS.

CONDITIONS:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A WELL-VENTILATED DRY PLACE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

BIOLOGICAL LIMIT VALUES:

NO BIOLOGICAL LIMITS NOTED FOR THE INGREDIENT(S).

APPROPRIATE ENGINEERING CONTROLS:

PROVIDE ADEQUATE VENTILATION, INCLUDING APPROPRIATE LOCAL EXTRACTION, TO ENSURE THAT THE DEFINED OCCUPATIONAL EXPOSURE LIMIT IS NOT EXCEEDED.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:

UNDER NORMAL CONDITIONS, RESPIRATOR IS NOT NORMALLY REQUIRED. WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS.

HAND PROTECTION:

CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. IF CONTACT WITH FOREARMS IS LIKELY WEAR GAUNTLET STYLE GLOVES.

EYE/FACE PROTECTION:

GOGGLES/FACE SHIELD ARE RECOMMENDED.

GENERAL HYGIENE:

ALWAYS WASH HANDS AFTER HANDLING THE MATERIAL BEFORE EATING, DRINKING, AND OR SMOKING.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	LIQUID (CLEAR)
ODOR:	MILD ODOR
ODOR THRESHOLD:	NOT AVAILABLE
COLOR:	LIGHT AMBER
PH:	NOT AVAILABLE
MELTING POINT:	N/A
SPECIFIC GRAVITY:	.86
MOLECULAR WEIGHT:	511
AUTO-IGNITION TEMPERATURE:	NOT AVAILABLE
BOILING POINT/BOILING POINT RANGE:	NOT AVAILABLE
FLASH POINT:	395 F. (208) C.
EVAPORATION RATE:	NOT AVAILABLE
VAPOR PRESSURE @ 25 (C):	5X10 ⁻⁵ TORR
VISCOSITY, KINEMATIC @ 40 (C):	26 cst. ASTM D445
UPPER/LOWER FLAMMABILITY LIMITS:	NOT AVAILABLE
SOLUBILITY IN WATER:	INSOLUBLE
OCTANOL/H ₂ O COEFF:	NOT AVAILABLE

10. STABILITY AND REACTIVITY

REACTIVITY:

THE MATERIAL IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORTATION.

CHEMICAL STABILITY:

STABLE

INCOMPATIBLE MATERIALS:

STRONG OXIDIZING AGENTS

POSSIBILITY OF HAZARDOUS REACTIONS:

HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID:

HEAT, FLAMES AND SPARKS. AVOID TEMPERATURES EXCEEDING THE FLASH POINT.

HAZARDOUS DECOMPOSITION PRODUCTS:

UPON DECOMPOSITION, THIS MATERIAL EMITS CARBON MONOXIDE, CARBON DIOXIDE AND/OR LOW MOLECULAR WEIGHT HYDROCARBONS.

11. TOXICOLOGY INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION:

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MAY CAUSE GASTROINTESTINAL DISCOMFORT IF SWALLOWED. DO NOT INDUCE VOMITING. VOMITING MAY INCREASE RISK OF MATERIAL ASPIRATION.

INHALATION:

MAY BE HARMFUL IF INHALED. HOWEVER, THIS MATERIAL DOES NOT CURRENTLY MEET THE CRITERIA FOR CLASSIFICATION.

SKIN CONTACT:

FREQUENT OR PROLONGED CONTACT MAY DEFAT AND DRY THE SKIN, LEADING TO DISCOMFORT AND DERMATITIS.

EYE CONTACT:

MAY BE IRRITATING TO EYES.

GERM CELL MUTAGENICITY:

NON-MUTAGENIC BASED ON MODIFIED AMES ASSAY.

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA. MEETS EU REQUIREMENT OF LESS THAN 3% (w/w) DMSO EXTRACT FOR TOTAL POLYCYCLIC AROMATIC COMPOUND (PAC) USING IP 346.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29CFR1910.1001-1050)

REPRODUCTIVE TOXICITY:

CONTAINS NO INGREDIENT LISTED AS TOXIC TO REPRODUCTION.

SPECIFIC TARGET ORGAN TOXICITY:

(SINGLE EXPOSURE)	NOT CLASSIFIED
(REPEATED EXPOSURE)	NOT CLASSIFIED

ASPIRATION HAZARD:

NOT CLASSIFIED

CHRONIC EFFECTS:

PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION OF THE SKIN.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

PERSISTENCE AND DEGRADABILITY:

NOT INHERITANTLY BIODEGRADABLE

BIOACCUMULATIVE POTENTIAL:

BIOACCUMULATION IS UNLIKELY TO BE SIGNIFICANT BECAUSE OF THE LOW WATER SOLUBILITY OF THIS MATERIAL.

MOBILITY IN SOIL:

NOT AVAILABLE

OTHER ADVERSE EFFECTS:

NO OTHER ADVERSE ENVIRONMENTAL EFFECTS (e.g. OZONE DEPLETION, PHOTOCHEMICAL OZONE CREATION POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL WARMING POTENTIAL) ARE EXPECTED FROM THIS MATERIAL.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:

WHEN THIS MATERIAL AS SUPPLIED IS TO BE DISCARDED AS WASTE, IT DOES NOT MEET THE DEFINITION OF A RCRA WASTE UNDER 40 CFR 261. DISPOSAL RECOMMENDATIONS ARE BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND MATERIAL CHARACTERISTICS AT THE TIME OF DISPOSAL.

HAZARDOUS WASTE CODE:

NOT APPLICABLE

WASTE FROM RESIDUES/UNUSED PRODUCT:

DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. AVOID DISCHARGE INTO WATER COURSES OR ONTO THE GROUND.

CONTAMINATED PACKAGING:

EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL. SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. OFFER RINSED PACKAGING MATERIAL TO LOCAL RECYCLING FACILITIES.

14. TRANSPORTATION INFORMATION

DOT: NOT REGULATED AS DANGEROUS GOODS

IATA: NOT REGULATED AS DANGEROUS GOODS

IMDG: NOT REGULATED AS DANGEROUS GOODS

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

THIS PRODUCT IS NOT KNOWN TO BE A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, 29 CFR 1910.1200. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.

CECLA/SARA HAZARDOUS SUBSTANCES:

NOT APPLICABLE

TSCA SECTION 12 (b) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):

NOT REGULATED

CECLA HAZARDOUS SUBSTANCES LIST (40 CFR 302.4):

NOT LISTED

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US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):
NOT LISTED

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES: IMMEDIATE HAZARD – NO
DELAYED HAZARD – NO
FIRE HAZARD – NO
PRESSURE HAZARD – NO
REACTIVITY HAZARD – NO

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NOT LISTED

SARA 311/312 HAZARDOUS CHEMICAL: NO

SARA 313 (TRI REPORTING): NOT REGULATED

OTHER FEDERAL REGULATIONS

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS POLLUTANTS LIST: NO

CLEAN AIR ACT (CAA) SECTION 112 ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130): NOT REGULATED

SAFE DRINKING WATER ACT (SDWA): NOT REGULATED

US STATE REGULATIONS:

THIS MATERIAL DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS.

US. MASSACHUSETTS RTK – SUBSTANCE LIST: NOT REGULATED

US. NEW JERSEY WORKER & COMMUNITY RIGHT-TO-KNOW ACT:
NOT REGULATED

US. PENNSYLVANIA RTK – SUBSTANCE LIST: NOT REGULATED

US. RHODE ISLAND RTK: NOT REGULATED

US. CALIFORNIA PROPOSITION 65: NOT LISTED

INTERNATIONAL INVENTORIES

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY
AUSTRALIA	AICS	YES
CANADA	DSL	YES
CANADA	NDSL	NO
CHINA	IECSC	YES
EUROPE	EINECS	YES
EUROPE	ELINCS	NO
JAPAN	ENCS	YES
KOREA	ECL	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	YES
PHILIPPINES	PICCS	YES
UNITED STATES & PUERTO RICO	TSCA	YES

- A “YES” INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).
- A “NO” INDICATES THAT ONE OR MORE OF THE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM THE LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY(S).

16. OTHER INFORMATION

NFPA CLASSIFICATION:	HEALTH HAZARD	0
	FIRE HAZARD	1
	REACTIVITY HAZARD	0
HMIS CLASSIFICATION:	HEALTH HAZARD	1
	FIRE HAZARD	1
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B

MANUFACTURER DISCLAIMER: THE DATA HEREIN IS BASED UPON TESTS AND INFORMATION, WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR USE.

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